

CLAIMS:

1. A magnetic head having a head face and comprising a head structure composed of thin layers and provided with a transducing element, in which different materials in different areas are present in the head face, characterized in that the head face is provided with a first layer of a material which is more sensitive to corrosion than said materials in the head face, and the first layer is provided with a second layer of a wear-resistant material which is more insensitive to corrosion than the material of the first layer.
2. A magnetic head as claimed in Claim 1, characterized in that the first layer has a thickness of between 1 nm and 20 nm and the second layer has a thickness of between 10 nm and 100 nm.
3. A magnetic head as claimed in Claim 1 or 2, characterized in that the material of the first layer mainly comprises a metal from the group of - Ti, Zr, Hf, V, Nb, Ta, Cr, Al, Zn -.
4. A magnetic head as claimed in Claim 1, 2 or 3, characterized in that the material of the second layer is one of the materials from the group of - chromium oxide, chromium nitride, hafnium nitride, titanium nitride, chromium carbide, titanium carbide, tungsten carbide, diamond -.
5. A magnetic head as claimed in Claim 3, characterized in that the chromium oxide is mainly Cr_2O_3 , the material of the first layer being Cr.
6. A method of manufacturing a magnetic head as claimed in Claim 5, characterized in that a first layer mainly comprising Cr is formed on the head face, at least on the head structure by means of sputtering deposition, and a second layer mainly comprising Cr_2O_3 is formed on the first layer by means of sputtering-deposition.
7. A method as claimed in Claim 6, characterized in that sputtering is performed with a chromium target without oxygen addition until the first layer is formed, whereafter oxygen is supplied for forming the second layer.

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